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Kind: A (See also: [JP06099467B4](#) )Inventor: UEDA TORU;  
MATSUDA AKIRA;  
TAKENUKI KENJI;  
MACHIDA HARUHIKO;Assignee: YAMASA SHOYU CO LTD  
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Published / Filed: 1988-09-08 / 1987-03-04

Application Number: JP1987000049540

IPC Code: C07H 19/09; C07H 19/10; A61K 31/70; C07H 19/06; C07H 19/067;

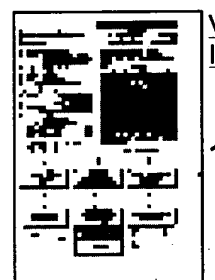
Priority Number: 1987-03-04 JP1987000049540

Abstract: NEW MATERIAL: A compound expressed by formula I (R1 is amino or OH; R2 is H or lower alkyl; R3 is lower alkyl; R4 is H or phosphoric acid residue) or salt thereof.  
EXAMPLE: 2'-Deoxy-2'(S)-methylcytidine.  
USE: An antiviral agent.  
PREPARATION: A saccharide part at the 2'-position of a compound expressed by formula II (R5 is alkoxy; Z is protecting group) is alkylated with an alkylating agent to provide a compound expressed by formula III. The OH group at the 2'-position of the compound expressed by formula III is then acylated, reduced with a reducing agent and deprotected to afford a compound expressed by formula IV. The base part at the 4-position of the compound expressed by formula IV is subsequently hydrolyzed or aminated and, as desired, the saccharide part at the 5'-position is then phosphorylated.

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input checked="" type="checkbox"/>	US6914054	2005-07-05	Sommadossi; Jean-Pierre	Idenix Pharmaceuticals, Inc.	Methods and compositio for treating hepatitis C v
					2'deoxy-2'-alkylnucleotid



	<a href="#">US5627053</a>	<a href="#">1997-05-06</a>	<a href="#">Usman; Nassim</a>	<a href="#">Ribozyne Pharmaceuticals, Inc.</a>	<a href="#">containing nucleic acid</a>
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Other Abstract  
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